

**MICROCAPSULE CONTAINING PHASE CHANGE MATERIAL AND
ARTICLE HAVING SAME**

Abstract of Disclosure

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The present invention relates to a microcapsule containing a phase change material and its use, and more particularly, to a microcapsule containing a phase change material wherein phase separation and subcooling thereof cannot be produced and the size of the microcapsule can be reduced to the order of several micrometers, to a method
10 of producing the microcapsule, to an article having enhanced heat-retention capability by comprising the microcapsule, and to a method of producing the article. The microcapsule comprises the phase change material selected from a group consisting of n-octacosane, n-heptacosane, n-hexacosane, n-pentacosane, n-tetracosane, n-tricosane, n-docosane, n-heneicosane, n-eicosane, n-nonadecane, n-octadecane, n-heptadecane, n-
15 hexadecane, n-pentadecane, n-tetradecane, and n-tridecane; and a nucleating agent for preventing subcooling of the phase change material.

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